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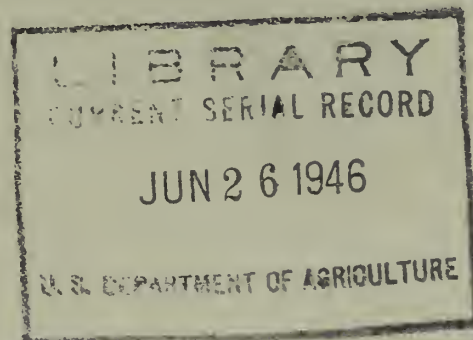
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FARM CREDIT ADMINISTRATION
UNITED STATES DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C.

MARKETING THE 1944 WYOMING WOOL CLIP
UNDER THE
COMMODITY CREDIT CORPORATION
PURCHASE PLAN

By
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UNITED STATES DEPARTMENT OF AGRICULTURE
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This analysis is the result of a joint arrangement with the Wool Section under the General Crops Division of the Commodity Credit Corporation and the Livestock and Wool Section of the Cooperative Research and Service Division of Farm Credit Administration. The former division made available the account sales and the appraisal certificates; the latter division analyzed the data.

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WASHINGTON 25, D. C.

SUMMARY

The records of the Commodity Credit Corporation which were analyzed showed that it purchased 21,626,058 pounds of Wyoming wool from the 1944 clip valued at \$9,701,593.67. This is an average gross price of 44.9 cents per pound. Of the total, 14,611,147 pounds was fine wool with a gross return of \$6,462,779.50.

For the State as a whole, 56.5 percent of the 1944 clip was sold to C.C.C. as original-bag wool and 43.5 percent was sold in graded lines.

Of C.C.C.'s purchases from Wyoming in 1944, 67.5 percent was fine wool and 15 percent graded 1/2 blood. Of the total tonnage of fine wool, 79 percent was sold in original bags and only 22 percent was graded. Only 11 percent of the 1/2 blood wool was sold in original bags, whereas 89 percent was graded.

It should be kept in mind that this study is an analysis of the wool purchased under the C.C.C. plan and all descriptions as to grade, length, and shrinkage were made by appraisal committees of three men from the wool trade serving for the United States Department of Agriculture.

The quantity of fine wool varied from 24 percent in area 4 to 87 percent in area 3.

It cost \$5.25 per 100 pounds to market 20,019,480 pounds of wool in lots of 5,000 pounds or more and \$6.23 per 100 pounds to market 1,606,578 pounds in lots of less than 5,000 pounds. In the lots over 5,000 pounds it cost \$4.88 per 100 pounds to market the original-bag wool and \$5.81 to market the graded wool. The highest marketing cost in any area for lots over 5,000 pounds was \$6.03 in area 4 and the lowest \$4.91 in area 7. This variation was due mainly to a higher percentage of graded wool in area 4 and a higher unit freight cost.

Area 1 ranked highest in price with 44.7 cents per pound as the average net ranch price for all wool. Area 7 was the lowest with an average of 38.1 cents. The average net ranch price for all areas was 39.6 cents per pound.

The average net ranch price for all the fine wool covered by the study was 39.1 cents per pound, the 1/2 blood and the 3/8's returned 43.0 and 43.9 cents, respectively. The average net ranch price for all grades was 39.6 cents.

The appraisers estimated the average shrinkage for the 14,611,147 pounds of fine wool at 62.6 percent with a yield of 37.4 percent. They estimated the average shrinkage on 96 percent of the wool at 60.5 percent, or a yield of 39.5 percent.

The fine and 1/2 blood wool sold for \$1.18 per clean pound and the 3/8's and 1/4 blood wool sold for \$1.08 and \$0.98, respectively. The average clean price for 96 percent of the wool was \$1.16 per pound.

Twenty handlers received wool from the State. Their receipts ranged in volume from less than 0.05 percent to 26.5 percent. The percentage which each handler graded of the wool he received ranged from 0 to 100 percent and averaged 43.5 percent for all handlers. The quantity of regular off wools by handlers ranged from 0.3 to 8.0 percent and averaged 4.1 percent for all handlers.

Over 100 appraisal committees served in evaluating the 1944 clip. Ten committees appraised 41 percent of the wool and one of these 10 committees appraised 11 percent of the entire clip.

MARKETING THE 1944 WYOMING WOOL CLIP UNDER THE COMMODITY CREDIT CORPORATION PURCHASE PLAN

By

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Under Food Distribution Order No. 50, effective April 25, 1943, the Commodity Credit Corporation became the sole purchaser of all domestically produced wool. C.C.C. was authorized to purchase the domestic clip at the ceiling prices established by the Office of Price Administration in the fall of 1942.

In the administration of the purchase program, C.C.C. sought to use the same trade channels through which wool normally moves on its way to market. Accordingly, wool dealers, cooperative associations, and country buyers applied to the C.C.C. for the privilege of buying wool for the Government and, upon complying with its requirements, became approved wool handlers. Their charges for services rendered were then fixed by C.C.C.

In launching the purchase program, C.C.C. prepared schedules of values for domestic shorn wool, describing the various types and designating the prices to be paid for every grade of clean wool. With these schedules as a guide, appraisal committees appointed by C.C.C. were to appraise growers' wool at any warehouse where it was stored and issue appraisal certificates to certify its value. These committees were of qualified men from the wool trade. Employed by the United States Department of Agriculture they worked in groups of three, determining the type and estimating the shrinkage of each lot of wool offered. C.C.C., in turn, fixed the grease price and paid the grower for his wool.

This study is based on the appraisal certificates issued by the appraisal committees and on the account sales rendered the growers by approved wool handlers, as illustrated by the accompanying forms.

COMPILING THE DATA

Items such as weights, shrinkages, value, and handling charges were taken from the account sales. The descriptions of the wool as to type were taken from the appraisal certificates.

AREAS COVERED

The State was divided into seven areas (see map) conforming with the ideas of the wool trade and the wool department at the University of Wyoming. They were:

- Area 1.....Northeastern Wyoming
- Area 2.....Buffalo-Gillette Section
- Area 3.....Big Horn Basin
- Area 4.....Western Wyoming
- Area 5.....South Central Wyoming
- Area 6.....Southeastern Wyoming
- Area 7.....Central Wyoming

NOTE. - The authors desire to express appreciation to W. T. Darden and A. L. McCollum, now of the Wool Merchandising Division, Production and Marketing Administration, for their cooperation in making the account sales and appraisal certificates available. Thanks are also due Mildred Sundquist, of the Livestock and Wool Section, and the Statistical Pool of the Cooperative Research and Service Division for their help in analyzing the data.

CCC Wool Appraisal Form 1
1945WAR FOOD ADMINISTRATION
WOOL APPRAISAL CERTIFICATE

Appraisal No. _____

(Date) _____

(Name and Address of Handler) _____

(Origin of Wool) _____

(Warehouse Receipt No.) _____ (Handler's Lot No.) _____

(Point of Appraisal and Warehouse) _____

(Name and address of Producer, Pool,
or Secondary Handler) _____

(Date Storage Starts) _____

Description _____

Gross Weight 21,793Shorn ☒Pulled ☐Grease ☒Scoured ☐Tare 236Carbonized ☐Graded ☐Original Bag ☒Net Weight 21,557

CLASS AND GRADE	STAPLE 1	COLOR AND CHARACTER 2	CONDITION 3	EST. SHRINK-AGE	VALUE BOSTON		NO. OF BAGS, BALES OR PILES	NET LBS.	APPRAISAL VALUE BOSTON (Dollars)
					Clean per lb.	Grease per lb.			
Ewes 2 B 64's	Good fr. & Staple	Avg.	Avg.	65%	1.20	42.0	49	18,915	7,944.30
Ylgs. 3 B plus 64	Good fr.	Good	Avg.	60%	1.18	47.2	6	1,594	752.37
Black				-	-	28.0	2	128	35.84
Tags				-	-	12.0	2	920	110.40
TOTALS							59	21,557	8,842.91

Remarks: _____

NOTE:

- Usual trade terms: Staple, Good French Combing, Average French Combing, Short French Combing, Clothing, Stubby, etc.
- To be rated as follows: Good, Average, Poor.
- To be rated as follows: Light, Average, Heavy.

Sample Bag Nos. 52 - 41 - 23 - 5 - 14

We hereby certify that the foregoing is a true and accurate appraisal of the above-described wool as represented by samples, sample bags, or piles examined.

Handler represented by _____

(Appraiser No. 1) _____ Appraiser

(Appraiser No. 2) _____ Appraiser

(Appraiser No. 3) _____ Appraiser

BANK COPY

WAR FOOD ADMINISTRATION
COMMODITY CREDIT CORPORATION
1944 CCC Wool Form E

ACCOUNT SALE

(Name and Address of Handler)

(Name and Address of Producer, Pool, or Secondary Handler—Indicate which)

July 31, 1944

(Date)

PART I

TABLE 2

Fig. of Wool	Gross Shipping Weight	Tare	Net Shipping Weight	Lot No.		
59	21,793	236	21,557			
Appraisal Certificate No.	Grade	Net Weight	Shrinkage	Appraisal Value (per pound)	Total Amount	
				cents	\$	
	Wool 2 B 64's	18,915	65%	42.0	7,944.30	
	Ylgs. 3 B plus 64's	1,594	60%	47.2	752.37	
	Black	128	-	28.0	35.84	
	Tags	920	-	12.0	110.40	
Extension OK <input type="checkbox"/>		TOTALS	21,557	XXX	XXXXXXX	8,842.91

PART II

Section A

1. Costs Certified:

- a. No. of Pounds bought _____
- b. Total Cost \$ _____
- c. Allowable Profit @ _____ cents per lb. _____
- d. Amount Allowable \$ _____

2. Costs Not Certified:

- a. Item 2 of Section B \$ _____
- b. Less: Amount @ 2 cents per lb. _____
- c. Amount Allowable \$ _____

1/ In the case of wool purchased by a Pool or Secondary Handler, the amount due the Pool or Secondary Handler will be the smaller of the Amount Allowable shown in Section A above or the Appraisal Value Less Deductions shown in Section B, less the CCC advance payment, if any.

PRODUCER

Section B

1. Deductions:

	Cents per pound	Total Amount
a. Handler Charge	1.5	323.35
b. Grading	.75	
c. Scouring or Carbonizing		
d. Secondary Handler Charge (consignments) or country service		
e. Subtotal	XXXXXX	323.35
f. Freight	1.92 & 3%	430.98
g. Trucking	.10	21.79
h. Service and Appraisal (CCC)	1.125	242.52
i. Reappraisal (if any)	XXXXXX	
j. Total Deductions		1,018.64

2. Appraisal Value Less Deductions	7,824.27
3. CCC Advance Payments (if any)	
4. AMOUNT DUE PRODUCER, POOL OR SECONDARY HANDLER 1/	
5. Advances	
6. Interest on Advances	
7.	
8.	
9.	
10. Check for Final Payment	
No. _____; Date _____	

WAR FOOD ADMINISTRATION
COMMODITY CREDIT CORPORATION
Washington 25, D. C.

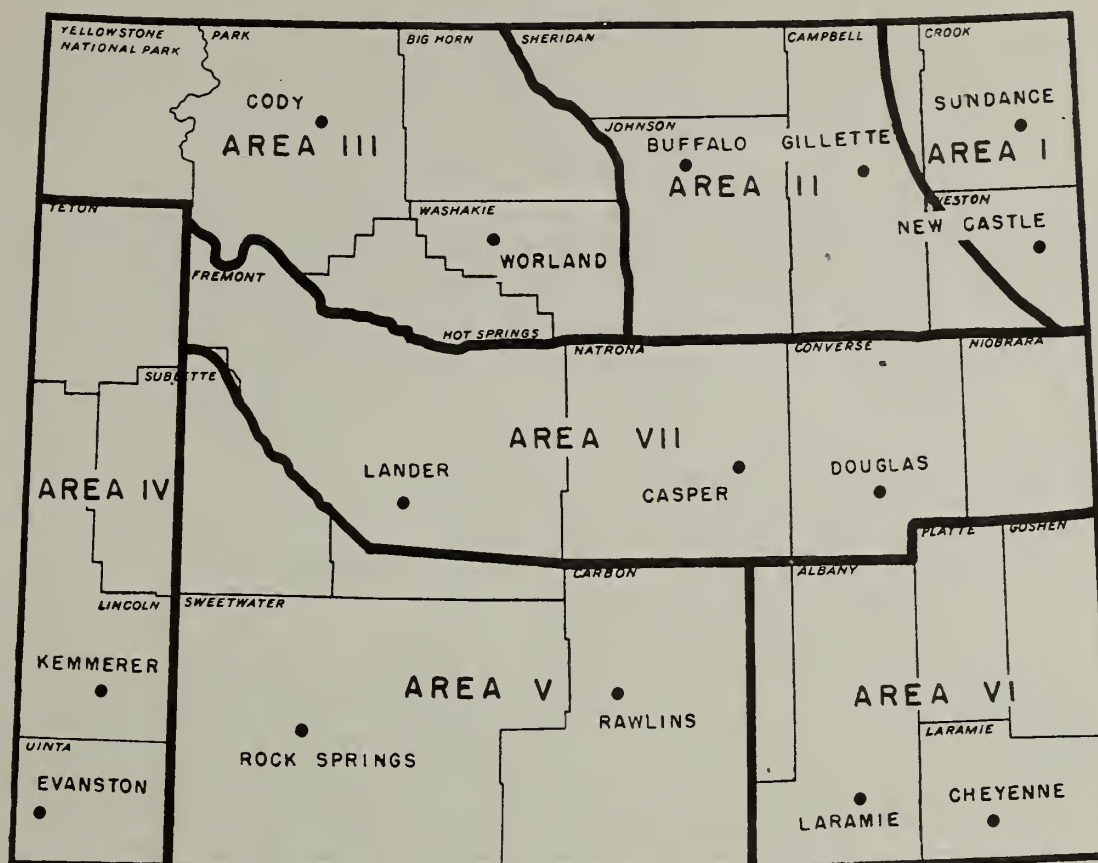
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1944 WOOL PURCHASE PROGRAM

SCHEDULE OF VALUES FOR DOMESTIC SHORN WOOL (GREASY, SCURED, CARBONIZED)
(All prices are sold Boston, Massachusetts)

Class: (Grades and types)	Description	Length	Clean price per pound
TERRITORY AND GRADED 12 MONTHS TEXAS WOOLS (with the exception of East Texas wools which are to be classed and appraised as bright and semi-bright fleeces)			
Fine:			
2A	Graded big French Combing and staple, 64's and finer.....)	2½ inches and over	\$1.21
2B	Original bag big French Combing and staple, 64's and finer, up to 25% 1/2 blood or 60's allowed, but no 3/8's.....)		1.20
3A	Graded good French Combing, some staple, stubby out, 64's and finer.....)	Bulk 2-3 inches	1.20
3B	Original bag bulk good French Combing, some staple, occa- sional short fleece, 64's and finer, up to 25% 1/2-blood or 60's allowed, but no 3/8's.....)		1.17
4A	Graded average French Combing, some short, 64's and finer..)	1½-2½ inches	1.16
4B	Original bag average French Combing, some short, bulk 64's.)		1.15
5A	Graded clothing or stubby, 64's and finer.....)	Bulk under 1½ inches some 1½-2½ inches	1.12
5B	Original bag short French Combing Clothing, inferior poorly bred lots, bulk 64's.....)		1.10
5C	Original bag 8 months California, bulk 64's.....)		1.07
One-half blood:			
8A	Graded strictly staple (60/64's).....)	2½ inches and over	1.19
8B	Graded good French Combing, bulk 60's.....)		1.17
8C	Original bag big French Combing and staple, bulk 60/64's, up to 25% 58's, occasional 3/8's (56's fleece).....)		1.17
8D	Original bag good French Combing, some staple, some short bulk 60's, edge of 58's, occasional 3/8's (56's fleece)..)	Bulk 2-3 inches	1.15
8E	Graded short French and clothing (58's to 60/64's).....)	Bulk under 1½ inches some 1½-2½ inches	1.10
8F	Original bag 8 months California (58's to 60/64's).....)		1.05
Three-eighths blood:			
9A	Graded strictly staple (56/58's).....)	2½-3½ inches	1.09
9B	Graded good French Combing, (56/58's).....)		1.06
9C	Graded strictly staple, (56's).....)		1.06
9D	Graded good French Combing, (56's).....)	Bulk under 2 inches	1.04
9E	Graded clothing, (56/58's).....)		1.02
9F	Graded clothing, (56's).....)		1.00
9G	Original bag 8 months California (Bulk 56/58's).....)		1.01
One-quarter blood:			
10A	Graded staple, (50's).....)	3-4 inches	1.00
10B	Graded staple, (48/50's).....)		.96
Low one-quarter blood:			
11A	Paper maker felt type.....)	4-5 inches and longer	1.00
11B	Ordinary commercial type.....)	3-5 inches	.93
Common and braid:			
12A	Paper maker felt type.....)	5 inches and longer	.95
12B	Ordinary commercial type.....)	4-5 inches	.88
Fed lamb wool - Woolen type:			
13	58/60's and finer.....)	Under 2	\$.95 - .98
14	56's and below.....)	inches	.90 - .93

AREAS INTO WHICH THE WOOL WAS GROUPED BY ACCOUNT SALES



020039

TYPES OF SALES

For analysis of handling costs, sales were divided into the following categories:

1. Original-bag wools
2. Graded wools
3. Off wools with no grading charge
4. Original-bag wools with a grading charge of the off wools
5. Graded wools with no grading charge
6. Off wools with grading charge
7. Scoured wool¹

The first two categories are the most common and contain 98 percent of the wool covered by the study. Sale types 3 and 6 were used when off wools were sold by themselves. The wools considered "off" are described in a later section of this report. Types 4 and 5 are self-explanatory and account for only a small portion of the wool, as shown by tables 7 and 8.

GRADES AND TYPES OF WOOL

Each type of wool, as described by the appraisers, was grouped into the following grades according to the descriptions on the C.C.C. Schedule of values, page 4.

¹The scoured wool was segregated from the grease wool and was not included in this analysis.

Grade of Wool

Fine
 1/2 blood
 3/8's blood
 1/4 blood
 Low 1/4 blood
 Common and braid

Table 1 shows the quantity and value of each type. It later proved impractical at this time to make as detailed a study of the types within the grades as was originally planned. The types shown in the table, however, may be applied by anyone interested in a study of special types of wool (see table 1).

The division of the off wools was as follows:

<u>Irregular off wools</u>	<u>Regular off wools</u>
Lambs' wool	Fine seedy and burry
Damaged, mothly, etc.	Medium seedy and burry
Tubwashed	Crutchings, 23 cents and up
Dusted	Crutchings, 21 and 22 cents
Bucks and black	Fine black and grey
Black and tags	Medium black and grey
Eyebrows	Low black and grey
Defective eyebrows	Fine and 1/2 blood bucks
Corral sweeps	Medium bucks
Clippings	Tags (light)
Karakul	Tags (heavy)
	Dead

The lambs' wool is generally not considered off wool but, since there was no large volume, it was put in with the irregular off wools rather than with any of the other grades or in a separate class.

All the types included in the irregular off wools were rather unusual ones and, therefore, were not received in the same proportions by all handlers. Consequently, they were considered separately. The regular off wools consist of types which should be received by all handlers in about the same proportion to the regular grades. By segregating the irregular types, the regular off wools can be compared more accurately by handlers and by areas.

DISTRIBUTION OF VOLUME BY AREA AND GRADE

The net sale weight of the wool included in this study was 21,626,058 pounds (table 1). This figure should not be confused with the gross shipping weight which would include the weight of the sacks and any material lost in grading the wool. There might also be a change in moisture content between the time the wool was shipped and the time when it was later sold.

Table 1.- Grades, types, volume, and average gross price per pound of wool as determined by Appraisal Committees

Grade and type	Volume	Average gross price per pound	Grade and type	Volume	Average gross price per pound
<u>Fine</u>	<i>Pounds</i>	<i>Cents</i>	<u>Yearlings</u>	<i>Pounds</i>	<i>Cents</i>
2A.....	45,295	47.0	9A.....	10,806	49.0
3A.....	1,225,975	45.1	9B.....	10,931	51.2
4A.....	151,215	41.9	9A/9B.....	24,819	50.6
5A.....	78,074	39.7	9C.....	4,888	49.8
2B.....	2,218,530	44.4	9C/9D.....	4,029	54.6
3B.....	3,353,523	43.3			
4B.....	183,190	43.2	<u>1/4 blood</u>		
2B/3B.....	4,666,882	44.8	10A.....	69,524	49.2
3B/4B.....	311,326	42.9	10B.....	42,255	47.3
2B/8C.....	58,859	45.7	10A/10B.....	638,159	49.8
3A/4A.....	1,446,048	43.5			
4A/5A.....	96,619	40.9	<u>Yearlings</u>		
4B/5B.....	22,033	46.9	10B.....	2,101	49.6
4B/8C.....	10,828	53.4	10A/10B.....	30,540	49.2
3C.....	1,362	40.2			
<u>Yearlings</u>			<u>Low 1/4 blood</u>		
3A.....	1,809	43.4	11A.....	20,934	57.8
5A.....	222	47.0	11A/11B.....	29,840	50.6
2B.....	345,383	47.0	11B.....	118,136	48.9
3B.....	112,545	46.9			
4B.....	25,954	49.6	<u>Common and braid</u>		
2B/3B.....	212,232	44.2	12A.....	5,660	48.1
3B/4 B.....	30,770	47.7	12B.....	100,880	52.6
4B/5B.....	5,432	46.3	12A/12B.....	1,813	49.1
3A/4A.....	6,335	48.9			
4A/5A.....	706	43.7	<u>Irregular offs</u>		
<u>1/2 blood</u>			10D (Lambs).....	1,396	42.4
8A.....	1,468,913	50.1	13 (Lambs).....	6,282	40.1
8B.....	617,226	48.9	14 (Lambs).....	17,392	46.5
8C.....	67,860	43.5	Misc. (Damaged).....	4,232	31.8
8D.....	3,977	43.6	Tubwashed.....	22	45.0
8E.....	5,017	44.6	Dusted.....	778	40.0
8F.....	855	45.9	Bucks and black.....	400	34.0
8C+60-64's.....	269,263	44.8	Black and tags.....	1,442	21.4
8E/9F.....	455	46.2	Eyebrows.....	4,372	26.0
8A/8B.....	713,501	47.9	Defective eyebrows..	752	27.0
8B/8E.....	26,184	44.5	Corral sweeps.....	2,522	3.8
8A/8E.....	154	51.8	Clippings.....	1,724	28.8
<u>Yearlings</u>			Karakul.....	16,571	29.0
8A.....	12,666	46.6	<u>Regular offs</u>		
8B.....	19,190	51.0	Fine seedy & burry..	18,916	40.3
8C.....	21,228	47.8	Med. seedy & burry..	9,513	39.7
8A/8B.....	6,721	50.5	Crutchings 23 cents		
8A/8E.....	3,578	49.9	and up.....	35,462	24.4
<u>3/8's blood</u>			Crutchings 21 and		
9A.....	328,002	51.6	22 cents.....	37,156	21.5
9B.....	156,544	48.1	Fine and 1/2 black..	176,555	29.8
9C.....	639	54.6	Medium black.....	68,949	33.3
9D.....	10,547	47.8	Low black.....	2,667	32.7
9E.....	1,148	47.6	Fine and 1/2 bucks..	128,543	38.8
9F.....	192	48.0	Medium bucks.....	38,142	40.9
9A/9B.....	1,167,393	49.4	Tags (Light).....	193,423	16.2
9B/9E.....	3,371	50.0	Tags (Heavy).....	141,660	12.2
9D/9E.....	55,072	48.8	Dead.....	31,229	30.2
			Total.....	21,628,058	44.9

Table 2 - Total volume of Wyoming wool bought by Commodity Credit Corporations by areas and percentages sold in original bags or grades

Area	Total wool in area	Percentage of wool in State	Percentage of wool in area	
			Original bag ^a	Graded ^b
	<i>Pounds</i>		<i>Percent</i>	
1.....	252,033	1.2	20.0	80.0
2.....	2,147,583	9.9	58.4	41.6
3.....	3,564,787	16.5	81.4	18.6
4.....	2,201,608	10.2	2.4	97.6
5.....	4,601,458	21.3	31.8	68.2
6.....	3,097,464	14.3	50.6	49.4
7.....	5,761,125	26.6	85.6	14.4
State.....	21,626,058	100.0	56.5	43.5

^aIncludes types of sales 1 and 4 (see page 5).

^bIncludes types of sales 2, 3, 5, and 6 (see page 5).

Table 2 shows that 27 percent of the wool in this study came from area 7 as determined by the grower's address on the account sale. Undoubtedly, however, some growers live in one area and run their sheep in another.

The proportion of original-bag wool ranged from 2.4 percent in area 4 to 85.6 percent in area 7. Of the entire volume of wool shown in this study 56.5 percent was sold in the original bag.

Sixty-eight percent of the entire volume was fine wool and 15 percent was 1/2 blood thus putting 83 percent of the wool in the two finest grades (see table 3). The low quarter and common and braid each made up less than 1 percent of the total wool, according to the grades determined by the appraisal committee.

Table 3 - Tonnage of Wyoming wool sold to Commodity Credit Corporations in original bag and graded lots and the grades by total volume and percentage of total

Grade	Original bag	Graded	Total	Percentage of indicated grade
	<i>Pounds</i>			<i>Percent</i>
Fine.....	11,432,899	3,178,248	14,611,147	^b 67.5
1/2 blood.....	361,989	2,874,799	3,236,788	15.0
3/8's blood.....	-	1,788,181	1,788,181	8.2
1/4 blood.....	-	782,579	782,579	3.6
Low 1/4 blood.....	-	168,944	168,944	.8
Common and braid.....	-	108,353	108,353	.5
Irregular offs.....	^a 21,398	36,453	57,851	.3
Regular offs.....	^a 405,904	476,311	882,215	4.1
Total.....	12,222,190	9,403,868	21,626,058	100.0

^aThese off wools were identified as to type but were sold with original-bag clips.

^bThe copy of the Commodity Credit Corporation schedule of values shows that in some types of fine wool an allowance of 25% 1/2 blood was made. The percentage of fine wool shown here is therefore higher than it actually was.

Table 4 - Percentage of wool of different grades sold in original bags and graded lines

Grade	Original bag	Graded
	Percent	
Fine.....	78.2	21.8
1/2 blood.....	11.2	88.8
3/8's blood.....	-	100.0
1/4 blood.....	-	100.0
Low 1/4 blood.....	-	100.0
Common and braid.....	-	100.0
Irregular offs.....	37.0	63.0
Regular offs.....	46.0	54.0
All wool.....	56.5	43.5

Only 22 percent of the fine wool was graded, compared with 89 percent of the 1/2 blood wool (table 4). All the other grades with the exception of the off wools were sold in the original bag. Over 50 percent of the off wools were sold with graded lots. Table 4 shows also that 43.5 percent of the entire volume of wool was sold in graded lots.

Table 19, Appendix, shows by grades the wool sold in original bags or in graded lots in each area. Five of the areas had over a million pounds of original-bag fine wool, while only one area had a million pounds of graded fine wool. All the common and braid wool was graded and, with the exception of 8 pounds, was in areas 4 and 5.

The percentage of each grade by areas is shown in table 5. The percentage of fine wool, regardless of type of sale, varied from 24 percent in area 4 to 87 percent in area 3. Areas 3 and 7 were similar in the percentage of the various grades each contained, as shown in table 5. Area 1 had the highest percentage of 1/2 blood wool and area 3 had the lowest. Areas 4 and 5 were the only areas which had over 2 percent of the three coarsest grades of wool. The regular off-wools varied from 2.2 percent in area 6 to 6.3 percent in area 4.

Table 5 - Percentage of wool of specified grades in each area

Grade	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Area 7	Percentage by grade for all areas
	Percent							
Fine.....	53.0	71.6	86.8	24.2	54.0	62.1	85.2	67.5
1/2 blood.....	32.1	13.4	5.5	22.9	20.8	24.6	7.7	15.0
3/8's blood.....	11.4	8.3	2.4	19.8	13.8	9.2	2.3	8.2
1/4 blood.....	.6	2.0	.3	16.6	6.3	1.6	.4	3.6
Low 1/4 blood....	(a)	(a)	(a)	5.6	1.0	(a)	(a)	.8
Common and braid.	-	(a)	(a)	4.4	.3	-	-	.5
Irregular offs...	.1	.6	.8	.2	(a)	.3	(a)	.3
Regular offs.....	2.8	4.1	4.2	6.3	3.8	2.2	4.4	4.1
Total wool in area	252,033	2,147,583	3,564,787	2,201,608	4,601,458	3,097,464	5,761,125	100.0

^aLess than .05.

Table 6 - Total volume of wool by grade, gross value, and average price per pound

Grade	Gross value	Net sale weight	Average gross price per pound
	<i>Dollars</i>	<i>Pounds</i>	<i>Cents</i>
Fine.....	6,462,779.50	14,611,147	^a 44.2
1/2 blood.....	1,577,087.33	3,236,788	48.7
3/8 blood.....	884,014.72	1,778,181	49.7
1/4 blood.....	388,024.59	782,579	49.6
Low 1/4 blood.....	84,932.26	168,910	50.3
Common and braid.....	56,713.85	108,353	52.3
Irregular offs.....	20,050.31	57,885	34.6
Regular offs.....	227,991.11	882,215	25.8
Total all grades.....	9,701,593.67	21,626,058	44.9

^aThe handling charges and net value are shown in table 14.

Table 6 shows the gross returns for the wool sold to be \$9,701,593.67 and the average gross price 44.9 cents per pound. Over 14 million pounds of fine wool had a gross value of more than 6 million dollars. The common and braid wool had the highest average price per pound, 52.3 cents, but the percentage of the total volume represented by this grade is very low as shown by table 4. The lowest average gross price per pound was for the regular off wools, 25.8 cents.

The highest gross ranch price for any single grade and area was 54.9 cents per pound for the 3/8's wool in area 1 (see table 7). The wool in area 1 had an average gross price of 50.1 cents per pound, which was 7 cents higher than the average return received in area 7. The gross price per pound for all of the grades, with the exception of the fine wool and the off wool, in area 2 and 4 was 50 cents or more. The gross price per pound for every grade in areas 5, 6, and 7 was below 50 cents. The net ranch price is shown in table 10, pages 14 and 15.

Table 7 - Average gross ranch price of wool per pound by area

Grade	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Area 7	Average price by grade
	<i>Cents per lb.</i>							
Fine.....	48.0	45.1	45.1	44.7	43.6	44.3	43.6	44.2
1/2 blood.....	54.1	51.1	50.0	50.2	48.3	48.5	45.3	48.7
3/8's blood.....	54.9	52.2	50.7	50.6	49.4	47.6	47.8	49.7
1/4 blood.....	49.0	52.3	50.6	50.0	49.1	47.5	48.1	49.6
Low 1/4 blood.....	49.3	52.6	49.6	50.6	49.4	45.3	48.5	50.3
Common and braid.....	-	51.0	-	53.0	47.6	-	-	52.3
Irregular offs.....	25.4	36.7	36.7	26.1	23.0	32.9	26.9	34.6
Regular offs.....	24.0	23.7	27.8	23.8	26.3	26.9	26.0	25.8
Average.....	50.1	45.7	44.7	47.3	45.1	45.3	43.1	44.9

Table 8. - Handling charges by areas and types of sale for lots of 5,000 pounds or more

Area	Type of sale	Volume sold	Grading charge per 100 pounds	Secondary handling charge per 100 pounds	Primary handling charge per 100 pounds	C. C. C. charge per 100 pounds	Trucking per 100 pounds	Freight, per 100 pounds	Total deductions	
									Total	Per 100 pounds
		<i>Pounds</i>								<i>Dollars</i>
1	Original bag.....	49,002	-	-	1.61	1.12	.10	2.02	2,378.51	4.85
2	Original bag.....	1,144,195	-	-	1.63	1.12	.10	2.07	56,324.65	4.92
3	Original bag.....	2,756,317	-	-	1.55	1.12	.10	2.29	139,419.61	5.06
4	Original bag.....	52,084	-	-	1.45	1.12	.10	2.45	2,668.70	5.12
5	Original bag.....	1,454,885	-	-	1.52	1.12	.10	2.10	70,459.02	4.84
6	Original bag.....	1,504,031	-	-	1.52	1.12	.10	2.08	72,566.89	4.82
7	Original bag.....	4,874,672	-	-	1.52	1.12	.10	2.05	233,647.94	4.79
	Total.....	11,835,186	-	-	1.54	1.12	.10	2.12	577,463.32	4.88
1	Graded.....	127,055	.67	.06	1.50	1.12	.10	2.00	6,925.72	5.45
2	Graded.....	647,424	.74	.06	1.74	1.12	.10	2.05	37,595.15	5.81
3	Graded.....	363,849	.74	-	1.70	1.12	.10	2.21	21,349.25	5.87
4	Graded.....	2,079,559	.72	.05	1.67	1.12	.10	2.39	125,887.01	6.05
5	Graded.....	2,963,693	.71	(a)	1.57	1.12	.10	2.22	169,418.99	5.72
6	Graded.....	1,068,027	.74	.04	1.59	1.12	.10	2.03	60,031.02	5.62
7	Graded.....	575,441	.74	(a)	1.81	1.12	.10	2.13	33,948.03	5.90
	Total.....	7,825,048	.72	.02	1.63	1.12	.10	2.22	454,512.43	5.81
	Total original bag wool with grading charge on off-sorts.....									
	Total miscellaneous off-sorts with no grading charge.....	213,686	.02	-	1.75	1.12	.10	2.21	11,106.98	5.20
	Total graded wool with no grading charge.....	7,687	-	-	1.75	1.12	.10	2.25	401.26	5.22
	Total miscellaneous and off-sorts with grading charge.....	132,582	-	-	1.51	1.12	.10	2.00	6,276.93	4.73
		5,291	.75	1.75	1.75	1.12	.10	2.01	395.77	7.48
Summary by areas:										
1	.....	176,057	.49	.05	1.53	1.12	.10	1.99	9,302.23	5.28
2	.....	1,875,213	.26	.02	1.68	1.12	.10	2.06	98,191.41	5.24
3	.....	3,237,266	.08	-	1.58	1.12	.10	2.28	166,992.66	5.16
4	.....	2,131,643	.70	.04	1.67	1.12	.10	2.40	128,555.71	6.03
5	.....	4,418,578	.47	(a)	1.55	1.12	.10	2.19	239,878.01	5.43
6	.....	2,725,319	.29	.01	1.55	1.12	.10	2.06	139,887.67	5.13
7	.....	5,455,404	.08	(a)	1.55	1.12	.10	2.06	267,991.74	4.91
	Total.....	20,019,480	.28	.01	1.58	1.12	.10	2.16	1,050,156.69	5.25

^aLess than 0.005.^bSee discussion on handling charges.

Table 9. - Handling charges by areas and types of sale for lots under 5,000 pounds

Area	Type of sale	Volume sold	Grading charge per 100 pounds	Secondary handling charge per 100 pounds	Primary handling charge per 100 pounds	C. C. C. charge per 100 pounds	Trucking per 100 pounds	Freight per 100 pounds	Total deductions	
									Total	Per 100 pounds
		<i>Pounds</i>								
1	Original bag.....	1,288	-	-	2.50	1.12	.10	1.95	73.03	5.67
2	Original bag.....	26,456	-	-	1.98	1.12	.10	2.20	1,427.38	5.40
3	Original bag.....	41,735	-	-	2.31	1.12	.10	2.25	2,411.20	5.78
5	Original bag.....	9,830	-	-	1.64	1.12	.10	2.15	492.74	5.01
6	Original bag.....	33,212	-	-	1.69	1.12	.10	2.10	1,664.76	5.01
7	Original bag.....	57,335	-	.09	2.35	1.12	.10	2.04	3,268.41	5.70
	Total.....	169,856	-	.03	2.11	1.12	.10	2.14	9,337.52	5.50
1	Graded.....	74,688	.75	.08	1.59	1.12	.10	2.00	4,213.82	5.64
2	Graded.....	244,640	.75	.10	2.12	1.12	.10	2.17	15,570.32	6.36
3	Graded.....	272,703	.75	.14	2.31	1.12	.10	2.29	18,305.47	6.71
4	Graded.....	69,965	.75	.01	2.38	1.12	.10	2.37	4,711.16	6.73
5	Graded.....	170,977	.75	.10	1.97	1.12	.10	2.23	10,721.58	6.27
6	Graded.....	324,291	.75	.09	2.13	1.12	.10	2.04	20,194.15	6.23
7	Graded.....	242,651	.75	.14	1.96	1.12	.10	2.05	14,849.15	6.12
	Total.....	1,399,915	.75	.11	2.10	1.12	.10	2.15	88,565.65	6.33
	Total original bag wool with grading charge on off-sorts.....									
	Total miscellaneous off-sorts with no grading charge.....	3,462	.30	.09	2.13	1.12	.10	2.24	207.05	5.98
	Total graded wool with no grading charge.....	9,664	-	.10	1.84	1.12	.10	2.16	513.18	5.32
	Total miscellaneous and off-sorts with grading charge.....	11,796	-	-	2.06	1.12	.10	2.06	630.26	5.34
	Total.....	11,905	.75	.41	1.93	1.12	.10	2.21	776.36	6.52
Summary by areas:										
1.....		75,976	.74	.08	1.60	1.12	.10	2.00	4,286.85	5.64
2.....		272,370	.68	.09	2.11	1.12	.10	2.17	17,073.36	6.27
3.....		327,521	.64	.13	2.32	1.12	.10	2.27	21,560.07	6.58
4.....		69,965	.75	.01	2.38	1.12	.10	2.37	4,711.16	6.73
5.....		182,880	.70	.10	1.95	1.12	.10	2.22	11,320.17	6.19
6.....		372,145	.66	.08	2.07	1.12	.10	2.05	22,614.54	6.08
7.....		305,721	.60	.13	2.04	1.12	.10	2.05	18,463.87	6.04
	Total.....	1,606,578	.66	.10	2.10	1.12	.10	2.15	100,030.02	6.23

HANDLING CHARGES

The account sales were divided into two groups, (1) those under 5,000 pounds, and (2) those of 5,000 pounds or more for this part of the analysis. Table 8 shows the costs by areas for original-bag and graded wools for the account sales of 5,000 pounds or more. For the other types of sales, the areas were combined and only totals given. This same procedure was followed in table 9 for account sales under 5,000 pounds.

The freight per 100 pounds is based on the net sale weight rather than the gross shipping weight. The freight charges shown in these tables are approximately 3 cents per 100 pounds higher than if based on gross shipping weight. This method of freight calculation charges the cost of shipping each 4-pound wool bag to the actual weight of the wool sold.

The primary handling charge for the graded wool in area 7 is \$1.81 per 100 pounds. This figure is over \$1.75 because two account sales totaling 85,198 pounds were included, which were made up from a wool pool. The handling charges were \$2.30 on one account sale and \$2.50 on the other. Since the individual account sales making up the pool were not available these account sales had to be included with the lots of more than 5,000 pounds.

The total deductions for 11,835,186 pounds of original-bag wool was \$4.88 per 100 pounds. Deductions on the graded wool amounted to \$5.81. The main difference was due to the grading charge on graded wool. There was a small secondary handling charge on some of the graded wool. The Commodity Credit Corporation charge of \$1.12 per 100 pounds was constant as was the 10-cents-per-100-pounds trucking charge. The handling charge varied by areas depending on the charge made and volume of wool handled by individual handlers in the area.

In the summaries on tables 8 and 9 the types of sale were combined and weighted average figures were used. The grading charge was reduced because the original-bag wool was included in the average. Areas 3 and 7 only have an 8 cent grading charge, because such a high percentage of the wool in these areas was sold in original bags. The average total deductions for 20,019,480 pounds of wool, which was handled in lots of 5,000 pounds or more, was \$5.25 per 100 pounds. The range in total deductions was from \$4.91 in area 7 to \$6.03 in area 4. Area 7 had a higher percentage of original-bag wool and a lower freight rate than area 4.

The total deduction for the original-bag wool in lots of less than 5,000 pounds averaged \$5.50 per 100 pounds, which was 62 cents more than for the original-bag wool in lots of 5,000 pounds or more. The graded wool was handled for \$6.33 per 100 pounds or 52 cents more than the larger lots. The summary of table 5 shows that 1,606,578 pounds of wool had total deductions of \$6.23 per 100 pounds. This was 98 cents more than it cost to handle the wool in lots of 5,000 pounds or more. The average grading charge was 38 cents more as a higher percentage of the wool in the smaller lots was graded. The primary handlers' charge was \$2.10

Table 10. - Results by areas and by grades

Grade and area	Volume	Shrinkage	Yield	Clean price	Gross ranch price	Total deductions	Net ranch price
				Per pound			
<u>Area 1:</u>	<i>Pounds</i>	<i>Percent</i>		<i>Dollars</i>		<i>Cents</i>	
Fine.....	133,499	59.5	40.5	1.19	48.0	5.3	42.7
1/2 blood.....	80,988	54.5	45.5	1.19	54.1	5.5	48.6
3/8's blood.....	28,810	49.2	50.8	1.08	54.9	5.5	49.4
1/4 blood.....	1,365	49.1	50.9	.96	49.0	5.5	43.5
Low 1/4 blood.....	77	47.0	53.0	.93	49.3	5.6	43.7
Common and braid.....	-	-	-	-	-	-	-
Irregular offs.....	346	-	-	-	25.4	5.0	20.4
Regular offs.....	6,948	-	-	-	24.0	5.4	18.6
Total.....	252,033	-	-	-	^a 50.1	^a 5.4	44.7
<u>Area 2:</u>							
Fine.....	1,536,663	61.8	38.2	1.18	45.1	5.2	39.9
1/2 blood.....	287,150	56.9	43.1	1.19	51.1	5.9	45.2
3/8's blood.....	178,482	51.5	48.5	1.08	52.2	6.0	46.2
1/4 blood.....	42,820	46.7	53.3	.98	52.3	5.9	46.4
Low 1/4 blood.....	742	44.1	55.9	.94	52.6	5.9	46.7
Common and braid.....	8	42.0	58.0	.88	51.0	5.8	45.2
Irregular offs.....	13,163	-	-	-	36.7	5.9	30.8
Regular offs.....	88,555	-	-	-	23.7	5.5	18.2
Total.....	2,147,583	-	-	-	^a 45.7	^a 5.4	40.3
<u>Area 3:</u>							
Fine.....	3,092,961	62.0	38.0	1.19	45.1	5.2	39.9
1/2 blood.....	198,181	57.7	42.3	1.18	50.0	6.0	44.0
3/8's blood.....	84,709	52.6	47.4	1.07	50.7	6.2	44.5
1/4 blood.....	12,442	48.9	51.1	.99	50.6	6.5	44.1
Low 1/4 blood.....	257	46.8	53.2	.93	49.6	6.4	43.2
Common and braid.....	-	-	-	-	-	-	-
Irregular offs.....	27,936	-	-	-	36.7	5.4	31.3
Regular offs.....	148,301	-	-	-	27.8	5.6	22.2
Total.....	3,564,787	-	-	-	^a 44.7	^a 5.3	39.4
<u>Area 4:</u>							
Fine.....	532,883	62.4	37.6	1.19	44.7	5.9	38.8
1/2 blood.....	505,025	57.7	42.3	1.19	50.2	6.0	44.2
3/8's blood.....	436,677	53.0	47.0	1.08	50.6	6.0	44.6
1/4 blood.....	364,986	49.1	50.9	.98	50.0	6.0	44.0
Low 1/4 blood.....	123,157	46.3	53.7	.94	50.6	6.0	44.6
Common and braid.....	95,924	42.4	57.6	.92	53.0	6.0	47.0
Irregular offs.....	4,454	-	-	-	26.1	6.2	19.9
Regular offs.....	138,502	-	-	-	23.8	6.0	17.8
Total.....	2,201,608	-	-	-	^a 47.3	^a 6.0	41.3

^aWeighted average

Table 10.- Results by areas and by grades - continued

Grade and area	Volume	Shrinkage	Yield	Clean price	Gross ranch price	Total deductions	Net ranch price
				Per pound			
<u>Area 5:</u>	<i>Pounds</i>	<i>Percent</i>		<i>Dollars</i>		<i>Cents</i>	
Fine.....	2,482,349	63.2	36.8	1.18	43.6	5.2	38.4
1/2 blood.....	959,218	59.0	41.0	1.18	48.3	5.7	42.6
3/8's blood.....	634,261	54.0	46.0	1.07	49.4	5.7	43.7
1/4 blood.....	291,454	50.1	49.9	.98	49.1	5.7	43.4
Low 1/4 blood.....	44,149	47.2	52.8	.94	49.4	5.7	43.7
Common and braid.....	12,421	46.2	53.8	.88	47.6	5.7	41.9
Irregular offs.....	767	-	-	-	23.0	5.7	17.3
Regular offs.....	176,839	-	-	-	26.3	5.5	20.8
Total.....	4,601,458	-	-	-	^a 45.1	^a 5.4	39.7
<u>Area 6:</u>							
Fine.....	1,923,860	62.7	37.3	1.19	44.3	5.0	39.3
1/2 blood.....	763,298	58.9	41.1	1.18	48.5	5.6	42.9
3/8's blood.....	284,121	55.9	44.1	1.08	47.6	5.6	42.0
1/4 blood.....	48,929	51.6	48.4	.98	47.5	5.7	41.8
Low 1/4 blood.....	428	51.3	48.7	.93	45.3	6.1	39.2
Common and braid.....	-	-	-	-	-	-	-
Irregular offs.....	8,670	-	-	-	32.9	5.2	27.7
Regular offs.....	68,158	-	-	-	26.9	5.4	21.5
Total.....	3,097,464	-	-	-	^a 45.3	^a 5.2	40.1
<u>Area 7:</u>							
Fine.....	4,908,932	63.1	36.9	1.18	43.6	4.9	38.7
1/2 blood.....	442,928	61.5	38.5	1.18	45.3	5.4	39.9
3/8's blood.....	131,121	55.3	44.7	1.07	47.8	6.0	41.8
1/4 blood.....	20,583	50.5	49.5	.97	48.1	6.0	42.1
Low 1/4 blood.....	100	47.8	52.2	.93	48.5	6.0	42.5
Common and braid.....	-	-	-	-	-	-	-
Irregular offs.....	2,549	-	-	-	26.9	5.5	21.4
Regular offs.....	254,912	-	-	-	26.0	5.1	20.9
Total.....	5,761,125	-	-	-	^a 43.1	^a 5.0	38.1

^aWeighted average.

compared with \$1.58 on the larger lots. The charges allowed by C.C.C. were \$2.50 on the lots under 5,000 pounds and \$1.75 on the lots of 5,000 pounds and over.

SALES RESULTS BY AREA AND GRADE

Table 10 is a breakdown of the areas by grades giving the shrinkage, clean price, gross and net prices, and the total deductions per pound. The shrinkage of the fine wool varied from a low of 59.5 percent in area 1 to a high of 63.2 percent in area 5. In four of the areas the clean price per pound for fine and 1/2 blood wool was exactly the same. In the other three areas the difference was only 1 cent per pound. In area 2, as shown in table 10, the 1/2 blood sold for \$1.19 clean, while the fine wool sold for \$1.18. The 1/2 blood wool in area 1 had a shrinkage of 54.9 percent or 5.0 percent less than that of the fine wool, while the 1/2 blood wool in area 7 had a shrinkage of 61.5 percent which was only 1.6 percent less than the fine wool. The appraisers estimated the shrinkage on only a small percentage of the off wools. Since the clean price for the off wools was not given either, the gross and net ranch prices were the only figures available.

The difference between the net ranch price for fine and 1/2 blood wools is shown in table 11. Most of this difference in price is due to the lighter shrinkage of 1/2 blood wool since the price per clean pound did not differ by more than 1 cent in any area, as mentioned above.

Table 11 - Comparison of net ranch price for fine and 1/2 blood wool

Area	Net ranch price per pound		Difference
	1/2 blood	Fine	
		<i>Cents</i>	
1.....	48.6	42.7	5.9
2.....	45.2	39.9	5.3
3.....	44.0	39.9	4.1
4.....	44.2	38.8	5.4
5.....	42.6	38.4	4.2
6.....	42.9	39.3	3.6
7.....	39.9	38.7	1.2

Table 12 summarizes the wool by areas regardless of grade. Since only a small percentage of the off wools had the shrinkage estimated, it was impossible to get the average shrinkage by area. The comparisons by individual grades were made in table 10 and a grower living in one area can compare his results with other areas. The highest net return for all wool was 44.7 cents per pound as found in area 1. The lowest was 38.1 cents per pound in area 7, or a difference of 6.6 cents per grease pound.

Table 12 - Summary of sales results, by areas

Area	Volume of wool sold	Gross ranch price per pound	Deductions per pound	Net ranch price per pound
	<i>Pounds</i>		<i>Cents per lb.</i>	
1.....	252,033	50.1	5.4	44.7
2.....	2,147,583	45.7	5.4	40.3
3.....	3,564,787	44.7	5.3	39.4
4.....	2,201,608	47.3	6.0	41.3
5.....	4,601,458	45.1	5.4	39.7
6.....	3,097,464	45.3	5.2	40.1
7.....	5,761,125	43.1	5.0	38.1
Total and weighted averages.....	21,626,058	44.9	5.3	39.6

Table 13 shows how the areas rank in net price per pound, percentage of graded wool, and percentage of fine wool, from the highest to the lowest.

Area 1 ranked first in net price per pound, second in percentage of graded wool, and sixth in percentage of fine wool in the area. Area 3 ranked sixth in net price per pound, sixth in percentage of graded wool, and first in percentage of fine wool. Area 7 corresponded very closely with area 3, ranking seventh, seventh, and second, respectively. Area 6 ranked fourth in all three points.

Table 13 appears to indicate a high relationship between the net price per pound and the percentage of graded wool. Areas 2 and 5 were the only two which varied in this respect. The two areas which were first and second in net price per pound were sixth and seventh in percentage of fine wool and the two areas which were sixth and seventh in the net price per pound were first and second in the percentage of fine wool.

It should be kept in mind that fleece weight plus several other factors besides net price per pound affect the sheepman's net returns. Return per fleece, for instance, is a much more reliable figure than price per pound because it measures the actual amount of money received by the grower. It is extremely unfortunate that fleece weights were not available so that the return per fleece could be found.

Table 13 - Rank according to net price per pound, percentage of graded wool, and percentage of fine wool

Area ranked for following points	Rank according to indicated factor						
	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Area 7
Net price per pound, all grades.....	1	3	6	2	5	4	7
Percentage of graded wool.....	2	5	6	1	3	4	7
Percentage of fine wool.....	6	3	1	7	5	4	2

Table 14 - Summary of sales results by grade

Grade	Volume	Shrink- age	Yield	Clean price	Gross ranch price	Total deduc- tions	Net ranch price
	<i>Pounds</i>	<i>Percent</i>		<i>Dollars</i>	<i>Cents per lb.</i>		
Fine.....	14,611,147	62.6	37.4	1.18	44.2	5.1	39.1
1/2 blood.....	3,236,788	58.7	41.3	1.18	48.7	5.7	43.0
3/8's blood.....	1,778,181	53.8	46.2	1.08	49.7	5.8	43.9
1/4 blood.....	782,579	49.5	50.5	.98	49.6	5.9	43.7
Low 1/4 blood.....	168,910	46.5	53.5	.94	50.3	5.9	44.4
Common and braid.....	108,353	42.8	57.2	.92	52.4	6.0	46.4
Irregular offs.....	57,885	-	-	-	34.6	5.6	29.0
Regular offs.....	882,215	-	-	-	25.8	5.5	20.3
Total and weighted averages for fine through common and braid...	20,685,958	60.5	39.5	1.16	45.7	5.3	40.4
Total and weighted averages for all wool.....	21,626,058	-	-	-	44.9	5.3	39.6

Table 14 summarizes the wool by grades regardless of area. The 1/2 blood wool net 43 cents per pound or 3.9 cents more than the fine wool. The highest net return was 46.4 cents for the common and braid. Both the fine and the 1/2 blood wool sold for \$1.18 per clean pound. The total deductions, or handling costs, increased as the wool became coarser because a high percentage was graded, as shown in previous tables. The average shrinkage for the fine wool (14,611,147 pounds) was 62.6 percent and for the 1/2 blood wool (3,236,788 pounds) 58.7 percent or 3.9 percent less than the fine wool. The average shrinkage for 20,685,958 pounds was 60.5 percent. This included the grades from fine through common and braid, which made up 96 percent of the wool covered by this study. The other 4 percent was off wools. From results of experiments conducted previously, it appears unlikely that the addition of the off wools would raise the shrinkage for the entire volume of wool by more than 1/2 of 1 percent.

Table 15 shows the relationship of the yearling wool to the ewe wool. In addition to the yearling wool shown there is also yearling wool packed with the ewe wool. This table shows only that portion of the yearling wool which was packed and marked separate from the ewe wool.

Table 15 - Volume and average gross price per pound by grades and ages of sheep

Grade	Age	Volume	Average gross price per lb.
		<i>Pounds</i>	<i>Cents</i>
Fine.....	Ewes	13,869,759	44.1
	Yearlings	741,388	46.3
1/2 blood.....	Ewes	3,173,405	48.7
	Yearlings	63,383	48.9
3/8's blood.....	Ewes	1,722,908	49.7
	Yearlings	55,273	50.6
1/4 blood.....	Ewes	749,938	49.6
	Yearlings	32,641	49.2

In every grade, with the exception of the 1/4 blood, the yearling wool had a higher average gross price per pound than the ewe wool. The widest spread was 2.2 cents in the fine wool.

Tables 20 and 21, Appendix, show the data on individual grades by types of sale. The grades were analyzed in lots of over 5,000 pounds and under 5,000 pounds, as were the handling charges shown in tables 8 and 9. The lots over 5,000 pounds will be discussed first.

The original-bag fine wool (11,121,331 pounds) had a net ranch return of 39.4 cents per pound whereas the graded fine wool returned only 38.2 cents or 1.2 cents per pound less than the original-bag wool. The total deductions on the graded wool were 0.9 cent higher than for the original-bag wool, but the other 0.3 cent was the result of a higher gross price per pound for the original-bag wool.

It cost 1 cent more to market the graded 1/2 blood wool than the original-bag 1/2 blood but the net ranch price for the graded wool was 43.4 cents or 3.5 cents higher than the original-bag wool.

The regular off wools which were sold with original-bag lots returned 22.8 cents per pound while the off wools from graded lots returned 17.7 cents or a difference of 5.1 cents. Only 0.9 cent of this difference was due to greater total deductions.

The average net ranch price for over 11 million pounds of original-bag wool was 1.9 cents per pound less than for 8 million pounds of graded wool, even though the total deductions for the graded wool were 0.9 cent per pound more than for the original-bag wool.

A considerably smaller volume was marketed in lots of less than 5,000 pounds. The original-bag fine wool brought a net price of 0.8 cent more than the graded wool whereas the original-bag 1/2 blood wool brought 3.8 cents less than the graded wool. The regular off wools returned approximately the same net ranch price per pound although it cost 1.0 cent per pound more to market the graded offs. The other types of sale represented much smaller volumes of wool and will not be discussed, as the data appears in the tables.

The fine wool is shown by types of sale in table 22, Appendix. The gross ranch price was practically the same for lots over 5,000 pounds and under 5,000 pounds, but the total deductions for the smaller lots were 1.1 cents greater than for the larger lots. The difference in net ranch price was 1.2 cents in favor of the large lots.

Table 23, Appendix, shows the lowest, highest, and average shrinkage by grades and areas. The average yield, which is the shrinkage subtracted from 100 percent, is also shown. The lowest shrinkage estimated on any fine wool was 48 percent and the highest was 75 percent, or a spread of 27 percent. The smallest difference between the lowest and highest shrinkage estimates was 10 percent for the common and braid wool. The highest estimate on the 3/8's wool was 63 percent in every area with the

Table 16.- Handlers' volume by area

Handler (Code No.)	Pounds of wool handled								Percentage of wool handled
	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Area 7	Total, all areas	
1.....	-	40,299	438,149	151,918	34,923	-	-	665,289	3.1
2.....	1,915	229,655	313,713	1,770	7,568	262,589	-	817,210	3.8
3.....	197,868	587,639	820,342	663,235	1,589,360	1,100,881	775,999	5,735,324	26.5
4.....	5,044	480,585	544,381	-	308,684	375,354	1,124,424	2,838,472	13.1
5.....	31,530	2,962	-	20,593	48,165	295,035	262,146	660,431	3.0
6.....	-	147,042	296,576	-	54,557	16,602	2,247,773	2,762,550	12.8
7.....	-	74,493	-	1,102,178	489,212	377,972	37,318	2,081,173	9.6
8.....	1,288	227,704	641,969	41,740	-	-	17,072	929,773	4.3
9.....	-	-	-	-	-	96,139	-	96,139	.4
10.....	-	-	15,636	-	271,375	-	246,889	533,900	2.5
11.....	-	181,326	-	-	-	-	35,241	216,567	1.0
12.....	-	128,609	-	17,129	-	-	-	145,738	.7
13.....	-	-	-	-	275,845	262,086	330,546	868,477	4.0
14.....	-	-	-	-	286,574	-	22,349	308,923	1.4
15.....	-	13,004	-	203,045	221,264	7,493	-	444,806	2.1
16.....	-	5,130	494,021	-	-	-	384,437	883,588	4.1
17.....	-	-	-	-	-	3,970	-	3,970	(a)
18.....	-	29,135	-	-	780,118	10,859	200,958	1,021,070	4.7
19.....	14,388	-	-	-	1,114	103,643	25,058	144,203	.7
20.....	-	-	-	-	232,699	184,841	50,915	468,455	2.2
Total.....	252,033	2,275,852	3,564,787	2,201,608	4,709,128	3,102,892	5,761,125	21,626,058	100.0

^a Less than .05

exception of area 4 in which it was 60 percent. Area 1 is the only area in which the fine wool had an average yield of over 40 percent. Area 7 is the only area in which the 1/2 blood yield was less than 40 percent.

Table 24, Appendix, shows the shrinkage of the fine wool by areas. The widest range in shrinkage was from 48 to 73 percent or 25 percent in area 3. The smallest spread was in area 4 from 58 to 69 percent or 11 percent. The spread in shrinkage for the fine wool for all areas was 27 percent. The shrinkage on over 3 million pounds of the fine wool was estimated at 63 percent.

The off wools were divided into two categories as previously described. The appraisers estimated the shrinkage on 37 percent of the irregular off wools at 53.2 percent and estimated the shrinkage on 13 percent of the regular offs at 66.4 percent (table 25, Appendix). These shrinkage percentages are not necessarily representative of the entire lots because the appraisers estimated the shrinkage on some types but not on others. The irregular offs contained the lambs' wool, and this fact would account for the shrinkage being lower than on the regular offs.

Table 16 shows the tonnage of wool received by handlers in each area. One handler received wool from every area in the State and obtained 26

Table 17 - Account sales by handlers

Handler (Code No.)	All account sales			Percent- age of wool graded	Percentage of regular off wool	Percentage of account- sales, lots of 5,000 pounds or over
	Original bag wool	Graded wool	Total sales			
	Pounds			Percent		
1.....	212,706	452,583	665,289	68.0	5.4	96.0
2.....	302,246	514,964	817,210	63.0	5.0	67.2
3.....	2,740,098	2,995,226	5,735,324	52.2	3.5	87.2
4.....	2,284,618	553,854	2,838,472	19.5	4.0	97.7
5.....	432,984	227,447	660,431	34.4	3.8	79.2
6.....	2,756,527	6,023	2,762,550	.2	5.0	98.7
7.....	111,811	1,969,362	2,081,173	94.6	4.7	95.4
8.....	595,094	334,679	929,773	36.0	3.4	91.9
9.....	32,522	63,617	96,139	66.2	4.1	100.0
10.....	63,502	470,398	533,900	88.1	2.6	98.3
11.....	-	216,567	216,567	100.0	8.0	96.6
12.....	17,169	128,569	145,738	88.2	4.8	98.2
13.....	573,607	294,870	868,477	34.0	4.0	98.1
14.....	307,474	1,449	308,923	.5	5.0	96.9
15.....	19,068	425,738	444,806	95.7	7.8	98.3
16.....	721,738	161,850	883,588	18.3	2.3	98.7
17.....	-	3,970	3,970	100.0	.3	-
18.....	564,933	456,137	1,021,070	44.7	2.6	96.8
19.....	17,638	126,565	144,203	87.8	3.9	62.0
20.....	468,455	-	468,455	0.0	4.6	97.8
Total or average	12,222,190	9,403,868	21,626,058	43.5	4.1	92.6

percent of the total volume of wool. Two handlers received wool from only one area in the State and obtained less than 0.5 percent of the total volume. The three largest handlers obtained 52 percent of the entire clip. The percentage of the wool graded by each handler of the wool he received ranged from 0.0 to 100 percent and the average for all handlers was 43.5 percent (see table 17). The percentage of regular off wools ranged from 0.3 to 8.0 percent and averaged 4.1 percent for all the handlers. The percentage of wool received in lots of 5,000 pounds or more ranged from 62 to 100 percent and averaged 93 percent for all of the wool.

Table 18 shows the 10 appraisal committees that appraised the largest volume of wool and the areas from which the wool originated. The total volume appraised by these 10 committees was 8,964,837 pounds and was 41 percent of the total volume of wool. The first committee listed in the table appraised 11 percent of the entire clip.

Table 18 - Committees appraising largest volume of wool

Area	Committee code number									
	57	04	59	35	32	75	31	37	91	82
	<i>Pounds</i>									
1.....	-	5,044	-	1,915	867	-	-	-	-	-
2.....	98,109	588,530	48,933	119,084	130,282	-	-	73,980	-	-
3.....	-	232,370	6,847	8,179	36,048	-	134,163	183,535	-	-
4.....	-	-	-	4,541	160,916	101,903	-	9,608	-	-
5.....	33,365	227,391	21,192	9,200	83,379	316,675	276,503	141,205	392,204	-
6.....	16,602	488,996	13,652	490,745	194,680	-	33,763	-	-	377,971
7.....	2,299,551	263,841	1,018,815	122,841	111,236	86,176	-	-	-	-
Total..	2,447,627	1,806,172	1,109,439	756,505	717,408	504,754	444,429	408,328	392,204	377,971

APPENDIX

Table 19. - Wool sold in original bag and graded, by area and grade

Type of sale and grade	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Area 7	Total by areas
Pounds								
Original bag:								
Fine.....	48,436	1,195,987	2,765,000	52,065	1,393,643	1,487,911	4,498,857	11,432,899
1/2 blood.....	-	16,720	32,914	-	28,381	48,699	235,275	361,989
Irregular offs.....	312	443	15,222	-	178	4,198	1,045	21,398
Regular offs.....	1,542	41,095	89,123	19	42,899	25,213	206,013	405,904
Total all grades.....	50,290	1,254,245	2,902,259	52,084	1,465,101	1,566,021	4,932,190	12,222,190
Graded wool:								
Fine.....	85,063	340,676	327,961	480,818	1,088,706	435,949	419,075	3,178,248
1/2 blood.....	80,988	270,430	165,267	505,025	930,837	714,599	207,653	2,874,799
3/8's blood.....	28,810	178,482	84,709	436,677	634,261	284,121	131,121	1,778,181
1/4 blood.....	1,365	42,820	12,442	364,986	291,454	48,929	20,583	782,579
Low 1/4 blood.....	111	742	257	123,157	44,149	428	100	168,944
Common and braid.....	-	8	-	95,924	12,421	-	-	108,353
Irregular offs.....	-	12,720	12,714	4,454	589	4,472	1,504	36,453
Regular offs.....	5,406	47,460	59,178	133,940	133,940	42,945	48,899	476,311
Total all grades.....	201,743	893,338	662,528	2,149,524	3,136,351	1,531,443	828,935	9,403,868

Table 20. - Total deductions and net sale price, by type of sale and by grade, of lots of 5,000 pounds or more

Grade	Original bag			Original bag - grading charge		
	Volume	Total deductions per pound	Net ranch price per pound	Volume	Total deductions per pound	Net sale per pound
	<i>Pounds</i>	<i>Cents</i>		<i>Pounds</i>	<i>Cents</i>	
Fine.....	11,121,331	4.9	39.4	173,054	5.2	40.0
1/2 blood.....	305,015	4.8	39.9	33,550	5.0	40.6
Irregular offs.....	17,379	5.1	36.6	-	-	-
Regular offs.....	391,461	4.9	22.8	7,082	5.2	13.6
Total.....	11,835,186	^a 4.9	^a 38.9	213,686	^a 5.2	^a 39.2

Grade	Graded			Graded - no grading charge		
	Volume	Total deductions per pound	Net ranch price per pound	Volume	Total deductions per pound	Net sale per pound
	<i>Pounds</i>	<i>Cents</i>		<i>Pounds</i>	<i>Cents</i>	
Fine.....	2,598,285	5.8	38.2	33,480	4.8	35.4
1/2 blood.....	2,440,687	5.8	43.4	40,231	4.7	40.7
3/8's blood.....	1,451,043	5.8	44.0	52,443	4.7	41.8
1/4 blood.....	704,666	5.9	44.8	4,596	4.7	41.3
Low 1/4 blood.....	162,839	5.9	44.4	-	-	-
Common and braid.....	105,719	6.0	46.5	-	-	-
Irregular offs.....	15,042	5.8	29.6	260	4.7	20.3
Regular offs.....	346,767	5.8	17.7	1,572	4.7	21.8
Total.....	7,825,048	^a 5.8	^a 40.8	132,582	^a 4.7	^a 39.6

Grade	Miscellaneous - no grading charge			Miscellaneous - grading charge		
	Volume	Total deductions per pound	Net sale per pound	Volume	Total deductions per pound	Net sale per pound
	<i>Pounds</i>	<i>Cents</i>		<i>Pounds</i>	<i>Cents</i>	
Irregular offs.....	7,687	5.2	23.8	-	-	-
Regular offs.....	-	-	-	5,291	7.5	8.0
Total.....	7,687	5.2	23.8	5,291	7.5	8.0

^aWeighted average.

Table 21. - Total deductions and net sale price, by type of sale and by grade, of lots under 5,000 pounds

Grade	Original bag			Original bag - grading charge		
	Volume	Total deductions per pound	Net sale per pound	Volume	Total deductions per pound	Net sale per pound
Fine.....	<i>Pounds</i> 138,514	5.5	38.6	<i>Pounds</i> -	-	-
1/2 blood.....	21,332	5.5	39.4	2,092	6.2	32.3
Irregular offs.....	3,752	5.0	32.5	267	5.5	16.5
Regular offs.....	6,258	5.4	20.5	1,103	5.6	19.0
Total.....	169,856	^a 5.5	^a 37.9	3,462	^a 6.0	^a 26.8

Grade	Graded			Graded - no grading charge		
	Volume	Total deductions per pound	Net sale per pound	Volume	Total deductions per pound	Net sale per pound
Fine.....	<i>Pounds</i> 545,180	6.3	37.8	<i>Pounds</i> 1,303	4.7	45.7
1/2 blood.....	389,956	6.3	43.2	3,925	4.7	49.8
3/8's blood.....	268,144	6.3	43.8	6,551	5.8	44.7
1/4 blood.....	73,317	6.4	43.6	-	-	-
Low 1/4 blood.....	6,071	6.5	43.6	-	-	-
Common and braid.....	2,634	6.6	40.6	-	-	-
Irregular offs.....	9,035	6.5	18.9	-	-	-
Regular offs.....	105,578	6.4	20.2	17	5.7	15.8
Total.....	1,399,915	^a 6.3	^a 39.3	11,796	^a 5.3	^a 46.5

Grade	Miscellaneous - no grading charge			Miscellaneous - grading charge		
	Volume	Total deductions per pound	Net sale per pound	Volume	Total deductions per pound	Net sale per pound
Irregular offs.....	<i>Pounds</i> 4,305	5.5	26.7	<i>Pounds</i> 158	6.7	15.6
Regular offs.....	5,339	5.2	29.6	11,747	6.5	25.6
Total.....	9,644	^a 5.3	^a 28.3	11,905	^a 6.5	^a 25.5

^aWeighted average.

Table 22. - Returns for fine wool by type of sale

Type of sale	Volume	Gross ranch price per pound	Total deductions per pound	Net ranch price per pound
	<i>Pounds</i>	<i>Cents</i>		
Lots of fine wool, 5,000 pounds or more:				
Original bag.....	11,121,331	44.3	4.9	39.4
Graded.....	2,598,285	44.0	5.8	38.2
Original bag with grading charge on off-sorts.....	173,054	45.2	5.2	40.0
Graded - no grading charge.....	33,480	40.2	4.8	35.4
Total.....	13,926,150	44.2	5.1	39.1
Lots of fine wool under 5,000 pounds:				
Original bag.....	138,514	44.1	5.5	38.6
Graded.....	545,180	44.1	6.3	37.8
Graded - no grading charge.....	1,303	50.4	4.7	45.7
Total.....	684,997	44.1	6.2	37.9

Table 23. - Shrinkage and yield, by grade and by area

Grade	Area	Volume	Lowest shrinkage	Highest shrinkage	Average shrinkage ^a	Average yield ^b
		<i>Pounds</i>		<i>Percent</i>		
Fine.....	1	133,499	52	68	59.5	40.5
	2	1,536,663	52	68	61.8	38.2
	3	3,092,961	48	73	62.0	38.0
	4	532,883	58	69	62.4	37.6
	5	2,482,349	53	74	63.2	36.8
	6	1,923,860	54	75	62.7	37.3
	7	4,908,932	52	70	63.1	36.9
	Total..	14,611,147	48	75	62.6	37.4
1/2 blood.....	1	80,988	53	62	54.5	45.5
	2	287,150	49	66	56.9	43.1
	3	198,181	49	66	57.7	42.3
	4	505,025	53	65	57.7	42.3
	5	959,218	50	66	59.0	41.0
	6	763,298	52	70	58.9	41.1
	7	442,928	50	69	61.5	38.5
	Total..	3,236,788	49	70	58.7	41.3
3/8's blood.....	1	28,810	47	63	49.2	50.8
	2	178,482	44	63	51.5	48.5
	3	84,709	40	63	52.6	47.4
	4	436,677	46	60	53.0	47.0
	5	634,261	45	63	54.0	46.0
	6	284,121	49	63	55.9	44.1
	7	131,121	47	63	55.3	44.7
	Total..	1,778,181	40	63	53.8	46.2
1/4 blood.....	1	1,365	46	52	49.1	50.9
	2	42,820	42	55	46.7	53.3
	3	12,442	43	61	48.9	51.1
	4	364,986	43	52	49.1	50.9
	5	291,454	43	56	50.1	49.9
	6	48,929	49	58	51.6	48.4
	7	20,583	46	55	50.5	49.5
	Total..	782,579	42	61	49.5	50.5
Low 1/4 blood.....	1	77	^c 47	47	47.0	53.0
	2	742	48	52	44.1	55.9
	3	257	48	52	46.8	53.2
	4	123,157	41	50	46.3	53.7
	5	44,149	41	52	47.2	52.8
	6	428	47	52	51.3	48.7
	7	100	40	52	47.8	52.2
	Total..	168,910	40	52	46.5	53.5

^aAll shrinkages are weighted averages.^bAll yields are determined by subtracting shrinkage from 100 percent.^cWhere only one shrinkage was estimated, it was taken as lowest-highest and average.

Table 23. - Shrinkage and yield, by grade and by area - continued

Grade	Area	Volume	Lowest shrinkage	Highest shrinkage	Average shrinkage ^a	Average yield ^b
		<i>Pounds</i>	<i>Percent</i>			
Common and braid....	1	-	-	-	-	-
	2	8	42	42	42.0	58.0
	3	-	-	-	-	-
	4	95,924	40	50	42.4	57.6
	5	12,421	48	50	46.2	53.8
	6	-	-	-	-	-
	7	-	-	-	-	-
	Total..	108,353	40	50	42.8	57.2
Irregular offs.....	1	-	-	-	-	-
	2	3,136	48	53	49.9	50.1
	3	13,556	52	52	52.0	48.0
	4	149	50	50	50.0	50.0
	5	-	-	-	-	-
	6	4,609	54	60	58.9	41.1
	7	172	54	55	55.0	45.0
	Total..	21,622	48	60	53.2	46.8
Regular offs.....	1	6	65	65	65.0	35.0
	2	11,885	48	72	67.6	32.4
	3	25,664	55	73	65.6	34.4
	4	588	48	66	57.3	42.7
	5	5,680	63	69	66.9	33.1
	6	13,731	48	72	64.5	35.5
	7	57,176	52	70	67.1	32.9
	Total..	114,730	48	73	66.4	33.6
Summary:		<i>Pounds</i>	<i>Percent</i>			
Fine.....		14,611,147	48	75	62.6	37.4
1/2 blood.....		3,236,788	49	70	58.7	41.3
3/8's blood.....		1,778,181	40	63	53.8	46.2
1/4 blood.....		782,579	42	61	49.5	50.5
Low 1/4 blood.....		168,910	40	52	46.5	53.5
Common and braid.....		108,353	40	50	42.8	57.2
Irregular offs.....		^c 21,622	48	60	53.2	46.8
Regular offs.....		^c 114,730	48	73	66.4	33.6
Total.....		20,822,310	40	75	60.5	39.5

^aAll shrinkages are weighted averages.^bAll yields are determined by subtracting shrinkage from 100 percent.^cOnly 37.4 percent of irregular offs and 13.0 percent of regular offs had the shrinkage estimated by appraisers. Actually there are 57,885 pounds of irregular offs and 882,215 pounds of regular offs.

Table 24. - Shrinkage of fine wool by area

Range in shrinkage (Percent)	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Area 7	Total
<i>Pounds</i>								
45.....	-	-	-	-	-	-	-	-
46.....	-	-	-	-	-	-	-	-
47.....	-	-	-	-	-	-	-	-
48.....	-	-	74,714	-	-	-	-	74,714
49.....	-	-	-	-	-	-	-	-
50.....	-	-	42,562	-	-	-	-	42,562
51.....	-	-	-	-	-	-	-	-
52.....	7,282	5,009	-	-	-	-	11,467	23,758
53.....	-	-	-	-	3	-	-	3
54.....	-	23,663	10,828	-	-	45,222	-	79,713
55.....	23,113	13,213	16,408	-	480	3,281	11,290	67,785
56.....	-	24,765	1,316	-	3,111	67,212	45,575	141,979
57.....	-	115,386	36,597	-	31,772	19,485	58,111	261,351
58.....	37,813	112,154	106,095	19,343	59,387	55,018	196,459	586,269
59.....	-	146,280	125,478	44,078	36,505	155,719	48,519	556,579
60.....	18,274	27,227	205,227	31,744	50,820	101,951	230,394	665,637
61.....	-	119,135	269,968	13,603	108,274	74,151	192,037	777,168
62.....	15,691	195,446	733,520	152,414	453,226	204,851	792,758	2,547,906
63.....	7,257	244,278	624,479	120,752	673,769	369,834	1,195,775	3,236,144
64.....	8,979	150,741	343,330	108,303	440,123	304,856	981,261	2,337,593
65.....	14,641	262,889	164,659	13,350	523,753	264,772	454,016	1,698,080
66.....	-	24,983	211,993	15,484	75,297	91,373	331,537	750,667
67.....	-	53,364	27,063	9,663	6,387	58,615	165,892	320,984
68.....	449	18,130	81,723	353	12,795	69,272	123,952	306,674
69.....	-	-	1,365	3,796	1,657	33,934	69,481	110,233
70.....	-	-	-	-	2,640	1,176	408	4,224
71.....	-	-	-	-	-	-	-	-
72.....	-	-	-	-	-	-	-	-
73.....	-	-	15,636	-	-	-	-	15,636
74.....	-	-	-	-	2,350	2,395	-	4,745
75.....	-	-	-	-	-	743	-	743
Total.....	133,499	1,536,663	3,092,961	532,883	2,482,349	1,923,860	4,908,932	14,611,147

Table 25. - Volume of irregular and regular offs, with shrinkage estimated by appraisers

Area	Irregular offs ^a			Regular offs ^b		
	Volume with no estimated shrinkage	Volume with estimated shrinkage		Volume with no estimated shrinkage	Volume with estimated shrinkage	
	<i>Pounds</i>		<i>Percent</i>	<i>Pounds</i>		<i>Percent</i>
1.....	346	-	-	6,942	6	65.0
2.....	10,027	3,136	49.9	76,670	11,885	67.6
3.....	14,380	13,556	52.0	122,637	25,664	65.6
4.....	4,305	149	50.0	137,914	588	57.3
5.....	767	-	-	171,159	5,680	66.9
6.....	4,061	4,609	58.9	54,427	13,731	64.5
7.....	2,377	172	55.0	197,736	57,176	67.1
Total.....	36,263	21,622	^c 53.2	767,485	114,730	^c 66.4

^aTotal irregular offs - 57,885 pounds; shrinkage estimated on 37.4 percent.^bTotal regular offs - 882,215 pounds; shrinkage estimated on 13.0 percent.^cWeighted average.

